

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
			1 4
2. AMENDMENT/MODIFICATION NO. M0004	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ NO. ZEROREQ-14-0099	5. PROJECT NO. (If applicable)
6. ISSUED BY US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP 3WFN-05-C64MP WASHINGTON DC 20555-0001	CODE NRCHQ	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) ENERGY RESEARCH INC 6189 EXECUTIVE BLVD ROCKVILLE MD 208523901		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 621211259 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-HQ-12-C-04-0087	
		10B. DATED (SEE ITEM 13) 09/06/2012	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
0000-00000-RECON-00-000000-00-0-000-00000-0000

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement of the Parties FAR 52.243-2 Changes-Cost Reimbursement Alt V (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not. is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

NRC-HQ-12-C-04-0087

The purpose of this modification is to: (1) Increase the level of effort by 1,250 hours to accommodate additional contractor support, thereby increasing the total estimated cost and fee by \$159,024.79 from \$667,231.51 to \$826,256.30. This increase in level of effort is to support needs of the technical staff working under the "Full-Scope Site Level 3 PRA" project completed under NRC-HQ-12-C-04-0087 NRC-HQ-13-T-04-0002. (2) Incorporate ERI's indirect rates for Fiscal Year 2014, January 1, 2014 through December 31, 2014, and (3) Correct the period of performance to read as: September 1, 2012 - August 31, 2016 Please see page three for details.

Total Contract Ceiling: \$826,256.30 (Changed)

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) MONIQUE B. WILLIAMS
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 16. DATE SIGNED 05/21/2014

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

MAY 27 2014

ADM002

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
2 AMENDMENT/MODIFICATION NO M0004		3 EFFECTIVE DATE See Block 16C	4 REQUISITION/PURCHASE REQ NO ZEROREQ-14-0099
5 PROJECT NO. (If applicable)	6 ISSUED BY US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP 3WFN-05-C64MP WASHINGTON DC 20555-0001	7 ADMINISTERED BY (If other than Item 6)	8 NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) ENERGY RESEARCH INC 6189 EXECUTIVE BLVD ROCKVILLE MD 208523901
9A AMENDMENT OF SOLICITATION NO	9B DATED (SEE ITEM 11)	10A MODIFICATION OF CONTRACT/ORDER NO NRC-HQ-12-C-04-0087	10B DATED (SEE ITEM 13) 09/06/2012
CODE 621211259	FACILITY CODE	11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS	

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X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF Mutual Agreement of the Parties FAR 52.243-2 Changes-Cost Reimbursement All V APR 1984.
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not. is required to sign this document and return 1 copies to the issuing office

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)

NRC-HQ-12-C-04-0087

The purpose of this modification is to: (1) Increase the level of effort by 1,250 hours to accommodate additional contractor support, thereby increasing the total estimated cost and fee by \$159,024.79 from \$667,231.51 to \$826,256.30. This increase in level of effort is to support needs of the technical staff working under the "Full-Scope Site Level 3 PRA" project completed under NRC-HQ-12-C-04-0087 NRC-HQ-13-T-04-0002. (2) Incorporate ERI's indirect rates for Fiscal Year 2014, January 1, 2014 through December 31, 2014, and (3) Correct the period of performance to read as: September 1, 2012 - August 31, 2016. Please see page three for details.

Total Contract Ceiling: \$826,256.30 (Changed)

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) <i>Mohsen Khatib-Rahbar, President</i>	16A NAME AND TITLE OF CONTRACTING OFFICER (Type or print) MONIQUE B. WILLIAMS
15B. CONTRACTOR/OFFEROR <i>Mohsen Khatib-Rahbar</i> (Signature of person authorized to sign)	15C. DATE SIGNED 5/14/14
16B UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of Contracting Officer)	

NSN #540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

NRC-HQ-12-C-04-0087/M0004

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OF

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NAME OF OFFEROR OR CONTRACTOR
ENERGY RESEARCH INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Total Obligated Amount: \$0.00 (Unchanged) Period of Performance: 09/01/2012 - 08/31/2016 (Corrected)				

The purpose of this modification is to increase the level of effort by [REDACTED] hrs (base period [REDACTED] by [REDACTED] hours, base period [REDACTED] hours, and base period [REDACTED] by [REDACTED] hours) to accommodate additional contractor support. This increase in the level of effort is to support needs of the technical staff working under the "Level 2 PRA Logic Model Technical Support" project.

As a result of this increase in the level of effort: (1) the estimated cost plus fixed-fee is increased for base period [REDACTED] by [REDACTED] from [REDACTED] to [REDACTED] base period [REDACTED] by [REDACTED] from [REDACTED] to [REDACTED] and base period [REDACTED] by [REDACTED] from [REDACTED] to [REDACTED]. Therefore, the total contract estimated cost and fee is increased by [REDACTED] from [REDACTED] to [REDACTED].

Accordingly, the contract is hereby modified as follows:

- (1) Base Period 2, Base Period 3, and Base Period 4 are deleted in their entirety under subsection **B.2 COST REIMBURSEMENT FIXED-FEE SCHEDULE** and are replaced with the following:

B.2 COST REIMBURSEMENT FIXED-FEE SCHEDULE

BASE PERIOD 2 – September 1, 2013 to August 31, 2014

CLIN No.	DESCRIPTION OF SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL CPFF
0002	To support the development of the Level 2 PRA logic model and the T-H aspects of the Full-Scope Site Level 3 PRA Project	[REDACTED]	[REDACTED]	[REDACTED]
Total				\$317,264.21

BASE PERIOD 3 – September 1, 2014 to August 31, 2015

CLIN No.	DESCRIPTION OF SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL CPFF
0003	To support the development of the Level 2 PRA logic model and the T-H aspects of the Full-Scope Site Level 3 PRA Project	[REDACTED]	[REDACTED]	[REDACTED]
Total				\$189,108.72

BASE PERIOD 3 – September 1, 2015 to August 31, 2016

CLIN No.	DESCRIPTION OF SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL CPFF
0004	To support the development of the Level 2 PRA logic model and the T-H aspects of the Full-Scope Site Level 3 PRA Project	[REDACTED]	[REDACTED]	[REDACTED]
Total				\$77,859.08

- (2) Paragraph (a) under subsection **B.3 CONSIDERATION AND OBLIGATION – INDEFINITE-QUANTITY CONTRACT (AUG 2011)** is deleted in its entirety and replaced with the following:

“B.3 CONSIDERATION AND OBLIGATION – INDEFINITE-QUANTITY CONTRACT (AUG 2011)

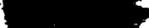
- (a) The estimated total quantity of this contract for the product/services under this contract is \$826,526.30.”

- (3) Incorporate ERI's indirect rates for Fiscal Year 2014, January 1, 2014 through December 31, 2014.

Accordingly, paragraph (a) under subsection **G.3 2052.216 INDIRECT COST RATES (JAN 1993)** is deleted in its entirety and replaced with the following:

“G.3 2052.216 INDIRECT COST RATES (JAN 1993)

- (a) Pending the establishment of final indirect rates which must be negotiated based on audit of actual costs, the contractor shall be reimbursed for allowable indirect costs as follows:

INDIRECT COST POOL	RATE	BASE	PERIOD
Overhead		Direct Labor	M0004 until next modification
General & Administration		Total Incurred Costs	M0004 until next modification”